

Practitioner's Docket No.: 791_183

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Norikazu NISHIYAMA, Yasuyuki EGASHIRA and
Korekazu UEYAMA

Ser. No.: 10/068,491

Art Unit: 1754

Filed: February 5, 2002

Examiner: NGUYEN, NGOC YEN M

Confirmation No.: 7267

For: MESOPOROUS SILICA, MESOPOROUS SILICA COMPOSITE MATERIAL, AND
PROCESSES FOR PRODUCTION THEREOF



I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on February 4, 2003 under "EXPRESS MAIL" mailing label number EV 031336194 US.

Elizabeth A. VanAntwerp

Assistant Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Copies of each of the references listed on Form PTO-1449 are attached.

Also enclosed is a copy of a European Search Report bearing a mailing date of January 15, 2003 from a corresponding European patent application, and the U.S. PTO is directed thereto for a concise statement of possible relevance of the references cited therein.

The above information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

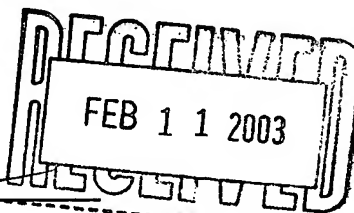
The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446.

Respectfully submitted,

Stephen P. Burr
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February 4, 2003

Date



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Form PTO-1449

US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

1

Attorney Docket No.

Complete if Known

Application Number

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First Named Inventor

Norikazu NISHIYAMA

Art Unit

1754

Examiner Name

NGUYEN, NGOC YEN M

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U.S. PATENT DOCUMENTS

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

TECHNOLOGY CENTER 1700
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RECEIVED**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages etc.)

AG	Bagshaw, Stephen A. et al., "Mesoporous [M]-MSU-x metallo-silicate Catalysts by Non-Ionic Polyethylene Oxide Surfactant Templating Acid [N ⁰ (N ⁺)X-I ⁺ and Base (N ⁰ M ⁺ I) Catalysed Pathways," Microporous and Mesoporous Materials, Vol. 22, No. 1-3, 17 June 1998, pp. 419-433.
AH	Jones, D.J. et al., "Surface Characterization of Zirconium-Doped Mesoporous Silica," Journal of the Chemical Society, Chemical Communications, No. 5, 7 March 1997, pp. 431-432.
AI	Janas, J. et al., "Cr-Doped Zr, Si-Mesoporous Molecular Sieves as Catalysts of CH ₂ Cl ₂ Oxidation," Catalysis Today 2000, Vol. 59, No. 3, 2000, pp. 241-248.
AJ	Luan, Zhaohua et al., "Electron Spin Resonance and Diffuse Reflectance Ultraviolet - Visible Spectroscopies of Vanadium Immobilized at Surface Titanium Centers of Titanosilicate Mesoporous," Journal of Physical Chemistry B Materials, 13 March 1997, Vol. 101, No. 11, pp. 2020-2027.
AK	Chaudhari, Karuna et al., "Electron Spin Resonance Investigation on the Location and Reducibility of Zirconium in Mesoporous Zr-MCM-41 Molecular Sieves," Journal of Physical Chemistry B, Vol. 104, No. 47, November 2000, pp. 11066-11074.
AL	Yusuf, M.M. et al., "Preparation of Mesoporous TiO ₂ Thin Films by Surfactant Templating," Journal of Non-Crystalline Solids, Vol. 285, No. 1-3, June 2001, pp. 90-95.
AM	Honma, I. et al., "Structural Control of Surfactant-Templated Hexagonal, Cubic and Lamellar Mesoporous Silicate Thin Films Prepared by Spin-Casting," Advanced Materials, Vol. 12, No. 20, 16 October 2000, pp. 1529-1533.
AN	Liu, J. et al., "Preparation of Continuous Mesoporous Films on Porous and Dense Substrates," Database Accession No. EIX97043434646 XP002225895 *abstract* Materials Research Society Symposium Proceedings; Microporous and Macroporous Materials 1996 Materials Research Society, Vol. 431, 1996, pp. 245-250.

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.